Math 112 LQuiz 02

2022-01-13 (R)

Your name:	

Exercise

Use properties of exponents and logarithms to compute the following. (The answers are integers.)

(a) Let

$$e^{a} = \frac{2}{3} \qquad \qquad e^{b} = 3$$

$$e^{b}=3$$

$$e^{c} = \frac{5}{6}$$

Compute

$$e^{2a+3b-13c} \cdot \frac{e^{10a+7c}}{e^{10a-7c}}$$

(b) Let

$$ln\,\alpha=2$$

$$ln b = -10$$

$$\ln c = \pi$$

Compute

$$\ln\left(\frac{a^5}{b^{-3}c^{12}}\right) - \ln\left(\frac{b^4}{(c^6)^2}\right)$$